

What is claimed is:

1. A remote video-on-demand digital monitoring system comprising one or more image capture modules, a server relay module and a video-on-demand module, wherein said image capture modules are employed to capture
5 images, and video image data are transmitted to said server relay module through a telecommunication network; when a video-on-demand item in a server side is selected by a remote monitoring computer through said telecommunication network, said video-on-demand module is automatically download to a client for execution; and in response to a control command transmitted from said video-on-
10 demand module to said server relay module, said server relay module downloads said video image data to said client.
2. The remote video-on-demand digital monitoring system according to claim 1, wherein said server relay module and said video-on-demand module are located in said server side.
- 15 3. The remote video-on-demand digital monitoring system according to claim 1, wherein said control command from said video-on-demand module notifies said server relay module by Socket or other means through said telecommunication network, and said server relay module analyses said Socket data or other data, and download said video image data to said client.
- 20 4. The remote video-on-demand digital monitoring system according to claim 1, wherein after said image data are completely downloaded, according to the selection of said control commands of said video-on-demand module by a user, associated operations are optionally performed to broadcast, record, fast-forward play, backward play, pause or stop said video image data.
- 25 5. The remote video-on-demand digital monitoring system according to

claim 1, wherein a new image data in said server relay module is optionally searched in response to said control command of said video-on-demand module.

6. The remote video-on-demand digital monitoring system according to claim 1, wherein the image data associated with the date and/or the place and/or the time segment and/or the event and/or other key values are optionally searched
5 in response to said control command of said video-on-demand module.

7. The remote video-on-demand digital monitoring system according to claim 1, wherein after said user employs said video-on-demand module to select the date and/or the place and/or the time segment and/or the event and/or other
10 key values to be searched, said video-on-demand module is automatically in communication with said server relay module and checks whether there are image data associated with the date and/or the place and/or the time segment and/or the event and/or other key values, if no image data are detected, an end message is sent so as to terminate the communication with said server relay module, if image
15 data to be searched are detected, said images are transmitted to said video-on-demand module in unitary frame or several consecutive frames, during transmission of said image data, said video-on-demand module returns a message indicating that said frame has been received, if the transmission is abortive, said server relay module resents the same frame to said video-on-demand module, if
20 all frames are completely sent out, said server relay module sends said end message to terminate the communication with said video-on-demand module.

8. The remote video-on-demand digital monitoring system according to claim 1, wherein said user directly views the downloaded images on a terminal during the transmission of said image data.

25 9. The remote video-on-demand digital monitoring system according to

claim 1, wherein after said image data are downloaded, said user uses ScrollBar or other means to scroll to a desirable location and broadcasts said image data at a selected broadcast speed; during the period of broadcast, said user selects the recording function so as to achieve the purpose of simultaneous broadcast and
5 recording functions.

10. The remote video-on-demand digital monitoring system according to claim 1, wherein said image data includes a note associated with said image data.

11. The remote video-on-demand digital monitoring system according to claim 10, wherein said note includes a vehicle identification number of a vehicle
10 appearing in image or any other identification mode of said vehicle.

12. The remote video-on-demand digital monitoring system according to claim 10, said note includes the date and/or the place and/or the time and/or the event of the image captured.

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